3/79

AGE

DEPTH

TERRESTRIAL PALYNOMORPHS

1 RUGUBIVESICULITES RUGOSUS
2 CICATRICOSISPORITES AUSTRALIENSIS
3 AEQUITRIRADITES SPINULOSUS
4 APPENDICISPORITES TRICORNITATUS
5 CLASSOPOLLIS CLASSOIDES
6 TAUROCUSPORITES SEGMENTATUS
7 PHYLLOCLADIDITES INCHOATUS
8 FOVEOSPORITES SUBTRIANGULARIS
9 INAPERTUROPOLLENITES LIMBATUS
10 CORONATISPORA VALDENSIS
11 TRILOBOSPORITES VARIVERRUCATUS
12 CICATRICOSISPORITES SUBROTUNDUS
13 PILOSISPORITES TRICHOPAPILLOSUS
14 SCHIZOSPORIS RETICULATUS
15 CALLIALASPORITES DAMPIERI
16 EXESIPOLLENITES TUMULUS
17 TRILOBOSPORITES APIVERRUCATUS
18 CEREBROPOLLENITES MESOZOICUS
19 APPENDICISPORITES POTOMACENSIS
20 VITREISPORITES PALLIDUS
21 CALLIALASPORITES TRILOBATUS
22 INAPERTUROPOLLENITES DUBIUS
23 TRILOBOSPORITES PERVERULENTUS
24 AURITULINASPORITES DELTAFORMIS
25 TRILOBOSPORITES BERNISSARTENSIS
26 CONTIGNISPORITES COOKSONI
27 APPENDICISPORITES JANSONII
28 KLUKISPORITES PSEUDORETICULATUS
29 CICATRICOSISPORITES HUGHESI
30 PERINOPOLLENITES ELATOIDES
31 INAPERTUROPOLLENITES TURBATUS
32 DENSOISPORITES PERINATUS
33 SPHERIPOLLENITES PSILATUS
34 FORAMINISPORIS WONTHAGGIENSIS
35 EUCOMMIIDITES TRÖEDSSONI
36 VERRUCATE SPORES
37 ?CINGULATISPORITES DISTAVERRUCOSUS
38 FORAMINISPORIS JURASSICUS
39 TAUROCUSPORITES REDUNCUS
40 PILOSISPORITES SP.A (in Buj,AW!11.'77)

MARINE PALYNOMORPHS

55 CERATIOPSIS DIEBELII
56 PALAEOPERIDINIUM PYROPHORUM
57 ISABELIDINIUM CRETACEUM
58 HYSTRICHODINIUM PULCHRUM
59 SPINIDINIUM CF. ECHINOIDEUM
60 ALTERBIA MINOR
61 OLIGOSPHAERIDIUM COMPLEX
62 OLIGOSPHAERIDIUM PULCHERRIMUM
63 AREOLIGERA CF. SENONENSIS
64 EXOCHOSPHAERIDIUM BIFIDUM
65 GARDODINIUM DEFLANDREI
66 SENONIASPHAERA CF. PROTRUSA
67 EXOCHOSPHAERIDIUM CF. PHRAGMITES
68 XENASCUS CERATIOIDES
69 CYCLONEPHELIUM DISTINCTUM
70 CYCLONEPHELIUM VANNOPHORUM
71 ISABELIDINIUM COOKSONIAE
72 PALAEOHYSTRICOPHORA INFUSORIOIDES
73 SURCULOSPHAERIDIUM LONGIFURCATUM
74 CLEISTOSPHAERIDIUM POLYPES
75 ASTROCYSTA CRETACEA
76 ODONTOCHITINA OPERCULATA
77 CALLAIOSPHAERIDIUM ASYMMETRICUM
78 APTEODINIUM GRANULATUM
79 CYCLONEPHELIUM PAUCISPINUM
80 ODONTOCHITINA COSTATA
81 SPINIDINIUM VESTITUM
82 OLIGOSPHAERIDIUM ANTHOPHORUM
83 CRIBROPERIDINIUM EDWARDSII
84 MUDERONGIA SPP. (undifferentiated)
85 SUBTILISPHAERA PIRNAENSIS
86 SUBTILISPHAERA TERRULA
87 SUBTILIAPHAERA PERLUCIDA
88 OLIGOSPHAERIDIUM CF. ASTERIGERUM
89 APTEA ANAPHRISSA
90 APTEA POLYMORPHA
91 ACHOMOSPHAERA NEPTUNI
92 CYCLONEPHELIUM TABULATUM
93 HYSTRICHOSPHAERINA SCHINDEWOLFI
94 TANYOSPHAERIDIUM VARIEGALAMUM
95 MUDERONGIA SIMPLEX
96 APTEA CF. EISENACKII
97 CORDOSPHAERIDIUM EOINODES
98 MUDERONGIA PERFORATA
99 MUDERONGIA STAUROTA
100 PSEUDOCERATIUM CF. GOCHTI
101 PSEUDOCERATIUM PELLIFERUM
102 BATTIOLADINIUM CF. EXIGUA
103 CTENIDODINIUM ELEGANTULUM
104 CANTULODINIUM SPECIOSUM
105 SYSTEMATOPHORA SPP. (undifferentiated)
106 DINGODINIUM CF. EUROPAEUM
107 CRIBROPERIDINIUM SEPIMENTUM
108 MEIOUROGONYAULAX STOVERI
109 BATTIOLADINIUM CF. GOCHTI
110 SCRINIODINIUM CAMPANULA
111 TANYOSPHAERIDIUM ISOCALAMUS
112 SYTEMATOPHORA SP.B (G-2, 11:10-12)
113 HYSTRICHOSPHAERIDIUM RAMULIFERUM (in Gocht,'59
114 ?LANTERNA SP. (G-2, 7:10)
115 SYSTEMATOPHORA "EXPATIATA" (G-2, 11:3-5)
116 SYSTEMATOPHORA CF. AREOLATA
117 GONYAULACYSTA LONGICORNIS
118 PHOBEROCYSTA NEOCOMICA
119 ?PSEUDOCERATIUM SP. (no lateral horn)
120 HYSTRICHOSPHAERIDIUM PETILUM
121 CTENIDODINIUM PANNEUM
122 PAREODINIA SP.A (G-1, 11:5,6)
123 MUDERONGIA SIMPLEX (long apicals, G-2:9:5)
124 PROLIXOSPHAERIDIUM GRANULOSUM
125 EPIPLOSPHAERA CF. RETICULOSPINOSA (G-2, 6:23)
126 SYSTEMATOPHORA ORBIFERA
127 MUDERONGIA TOMASZOWENSIS
128 LEPTODINIUM CLATHRATUM
129 PAREODINIA CERATOPHORA
130 PROLIXOSPHAERIDIUM MIXTISPINOSUM
131 GONYAULACYSTA CF. CLADOPHORA
132 HYSTRICHODINIUM SP.
133 SENONIASPHAERA JURASSICA
134 HYSTRICHOSPHAERINA SP.A (B-2, 13:10-12)
135 DICTYOPYXIS SP. (in Gitmez, '70)
136 WALLODINIUM CF. GLAESSNERI
137 SCRINIODINIUM CRYSTALLINUM
138 MEIOUROGONYAULAX CF. BULLOIDEA
139 ELLIPSOIDICTYUM CF. CINCTUM
140 PALAEOPERIDINIUM SP.A (G-2, 6:8-10)
141 GONYAULACYSTA CF. GRANULIGERA
142 CTENIDODINIUM CF. TENELLUM

TERTIARY 6040'

LATE CRETACEOUS

EARLY MAASTRICHTIAN — SIDEWALL CORES
6230'
CAMPANIAN
6540'
SANTONIAN
NOTE
LATE CRETACEOUS AGE DETERMINATIONS ARE BASED ON FORAMINIFERA AND NANNOFOSSILS
CONIACIAN
8040'
TURONIAN 8180'
CENOMANIAN
HIGHEST CUTTINGS SAMPLES EXAMINED
8690'

EARLY CRETACEOUS

ALBIAN
9600'
APTIAN
CORE #1
10100'
BARREMIAN
10600'
HAUTERIVIAN
CORE #2
12300'
VALANGINIAN
CORE #3
BERRIASIAN
13500'
TITHONIAN
13700'
CORE #4

LATE JURASSIC

KIMMERIDGIAN
15820' TD

6250 6500 6750 7000 7250 7500 7750 8000 8250 8500 8750 9000 9250 9500 9750 10000 10250 10500 10750 11000 11250 11500 11750 12000 12250 12500 12750 13000 13250 13500 13750 14000 14250 14500 14750 15000 15250 15500 15750

RARE TO SPARSE IN CUTTINGS
COMMON TO ABUNDANT IN CUTTINGS
OCCURRENCE IN SIDEWALLS

FIG. 2B - DISTRIBUTION OF PALYNOMORPHS IN THE CRETACEOUS & JURASSIC OF THE CHEVRON COST B-3 WELL